[Annual Examination]	MATHE	MATICS	201920
	0-5	ZIMMIN	
and all	Secti		40100
Multiple	Choice C	uestions (MCQ'	S)
2.1 Choose the correct	answer for	each from the give	n options.
1. An angle with measu	re less than	90° is called	(DA)
(a) Acute angle 2. A triangle having two			(d) None of thes
(a) Isosceles triangle		(b) Scalene triangl	
(c) Equilateral triangle		(d) None of these	90100
3. The sub duplicate of	4:9 is		
	(b) 16:81		(d) 6:4
4. A circle which pass	ses through	three vertices of	a triangle is calle
(a) Escribed circle		(h) Circum airele	
(c) Inscribed circle		(b) Circum circle (d) None of these	
5. $\tan 60^{\circ} =$		(a) Notice of these	
	1		
(a) $\sqrt{3}$	(b) 1	(c) $\frac{1}{\sqrt{2}}$	(d) $\frac{2}{\sqrt{2}}$
6. The Cartesian produc	t of set A an	d R written as	<b>V</b> 3
	(b) A x B	(c) A $\Delta$ B	(d) B x A
7. $(-3, -2)$ is in	quad		(4) 5 7 7
	(b) Third	(c) Fourth	
8. $\log_2 x = 3$ , then $x = 1$			
	(b) 8 N77	Colo III	(d) 5
9. The degree of potyno	mialre	+ v is	(4) 0
(a) 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	b) 3	(c) 4	 (d) 1
	has base		
V V	(b) e	(c) 10	(d) 0
11. The sum of 10 observ			
'(a) 12.5	(b) 50	(c) 75	(d) - 15
12. Solution set of $\sqrt{y-2} = -4$ is			
(a) 18 (1		(6) ( )	(d) + 16
13. $\sec 30^{\circ} =$	J) ± 4	(c) { }	(d) ± 16
(a) $\frac{2}{\sqrt{3}}$ (1)	0) $\sqrt{2}$	(c) 2	(d) 1
14. In a right angled triang	NAME OF BRIDE		is called
(a) Perpendicular (I			CONTROL OF THE PROPERTY OF THE PARTY OF THE
15. The measure of an ang			
The state of the s	o) 180°	(c) 120°	(d) 360°
16. $(-x)^2(-x)^3(-x)^4 = $			
(a) $-x^9$ (1	$(x^{24})$	(c) x <sup>9</sup>	(d) x <sup>12</sup>
(a) $-x^9$ (b) 17. If a: b = c: d then a: 0			n is called .
(a) Dividendo (l	o) Alternado	(c) Invertendo	(d) Componendo
18. If $A = \begin{bmatrix} 5 & 6 \\ 2 & 1 \end{bmatrix}$ , then A	= 0	Annim VC	300
[3 -1]	MINI	(a) GION I	
(a) 5 3	1 6 13 Dr	(c) 6 5	(d) [6 -1]
CONTRACTOR DU	5 -1	[-1 3]	[3 5]
19. Multiplicative inverse of	of matrix A is	written as	
(a) A' (l	o) A <sup>-1</sup>	(c)  A	(d) A

20. The L.C.M of  $x^3 - y^3$  and  $x^6 - y^6$  is \_\_\_\_\_

(a)  $x^3 - y^3$  (b)  $x^3 + y^3$  (c)  $x^6 + y^6$  (d)  $x^6 - y^6$